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with cover layer: $\lambda' = \lambda / n_0$
 $NA' = \sin \theta' = \sin \theta / n_0 = NA / n_0$
 resolving power: $\lambda' / (2NA') = \lambda / (2NA)$

air-incident
 $NA = \sin \theta$
 resolving power: $\lambda / (2NA)$

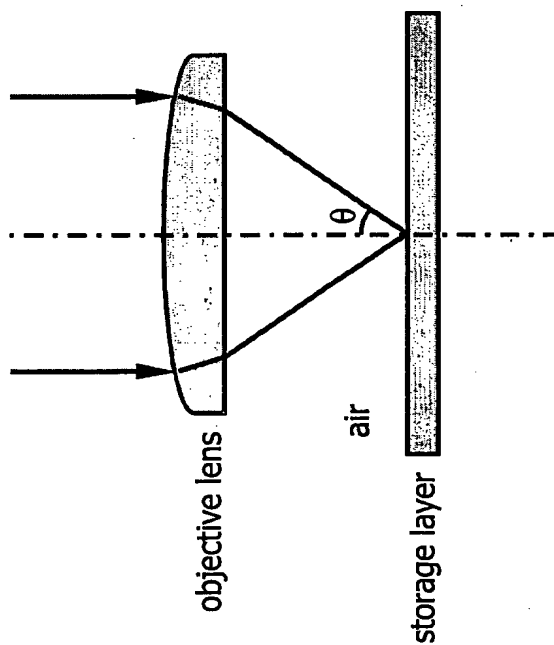


FIG.1A

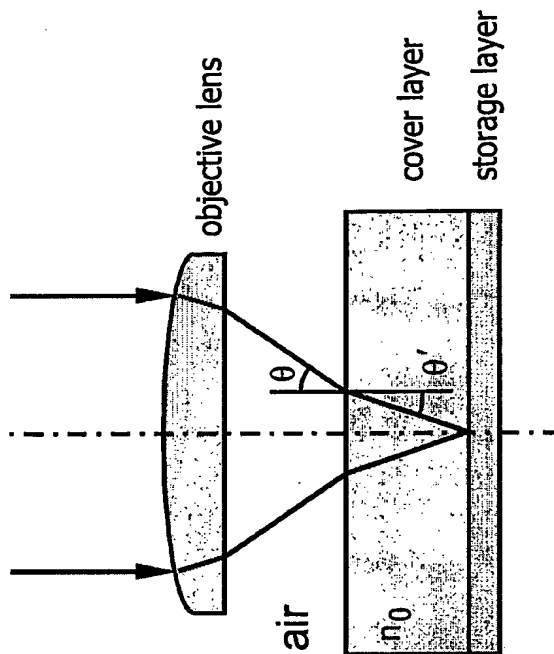


FIG.1B

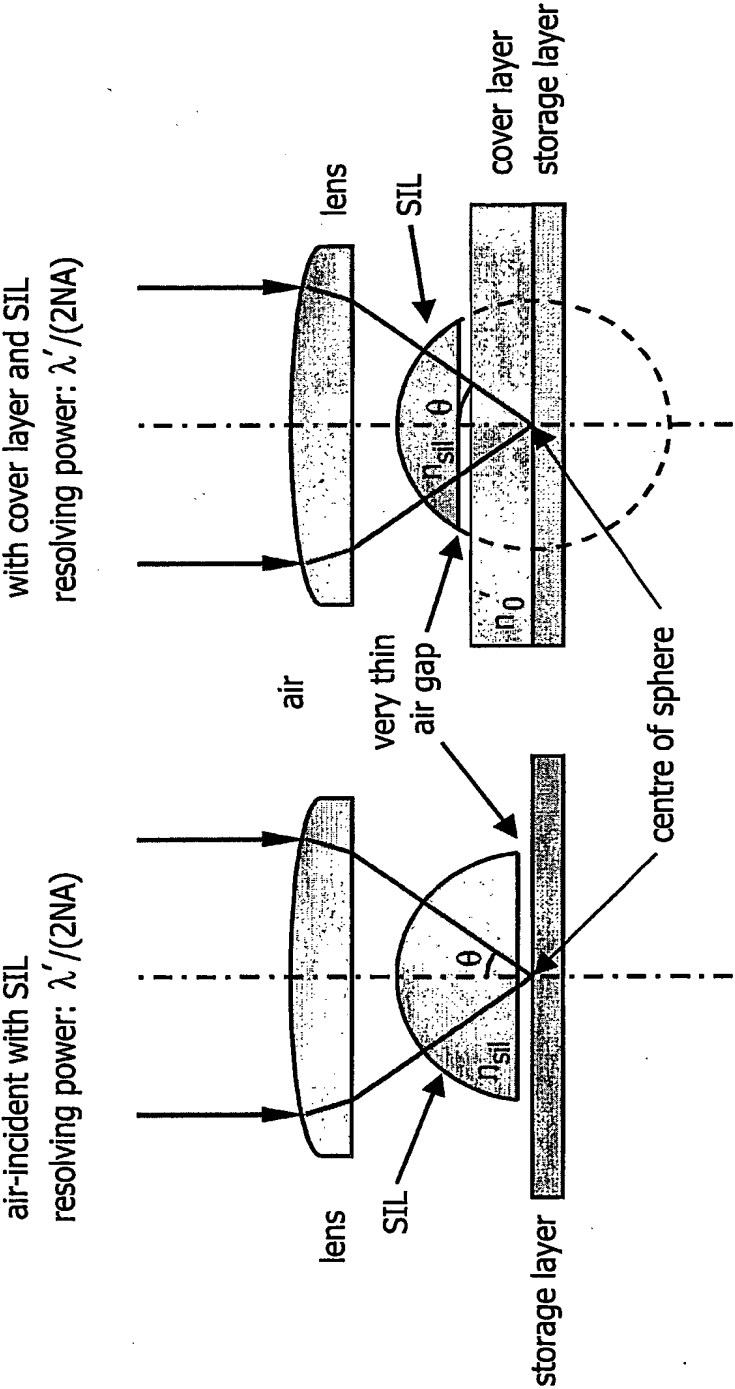


FIG.2B

FIG.2A

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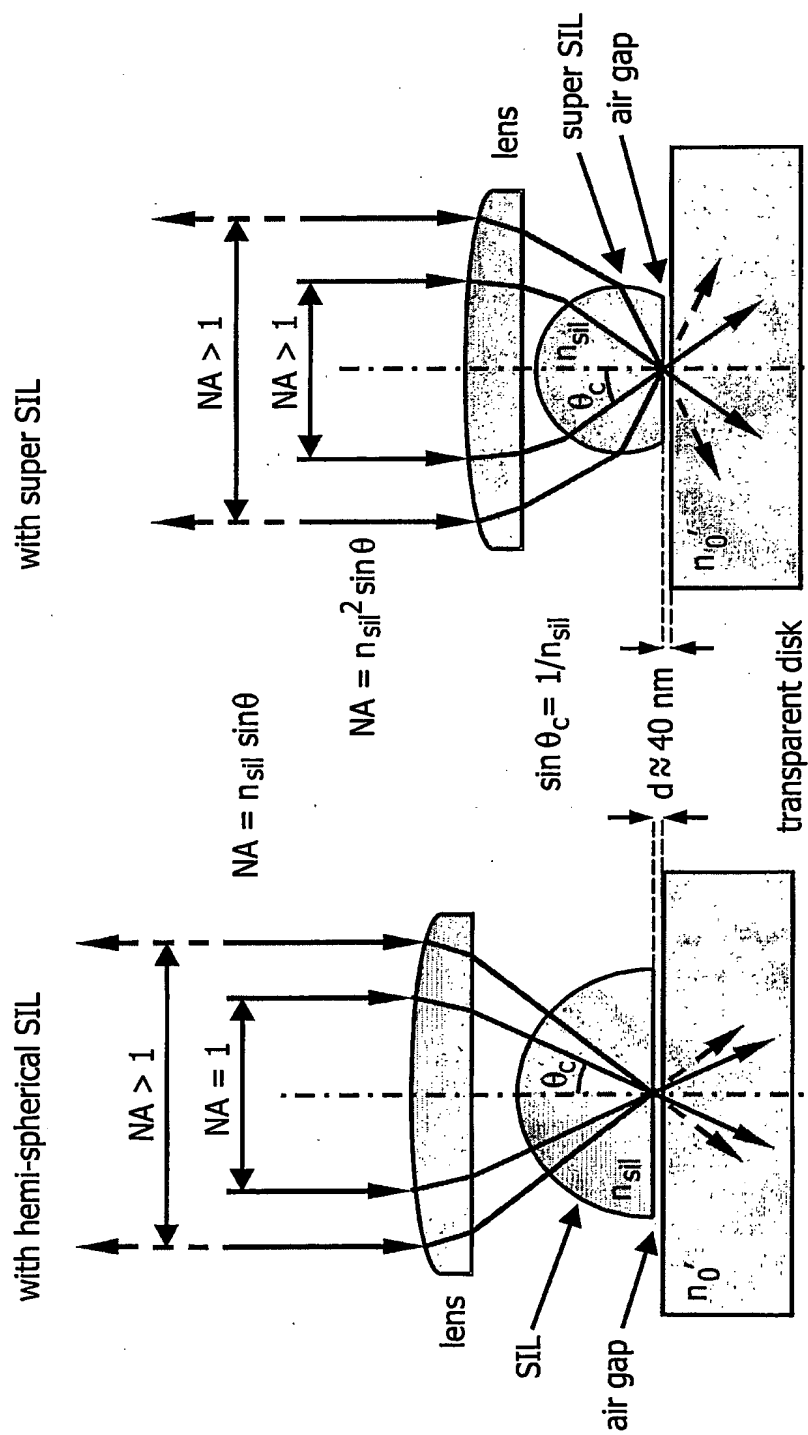
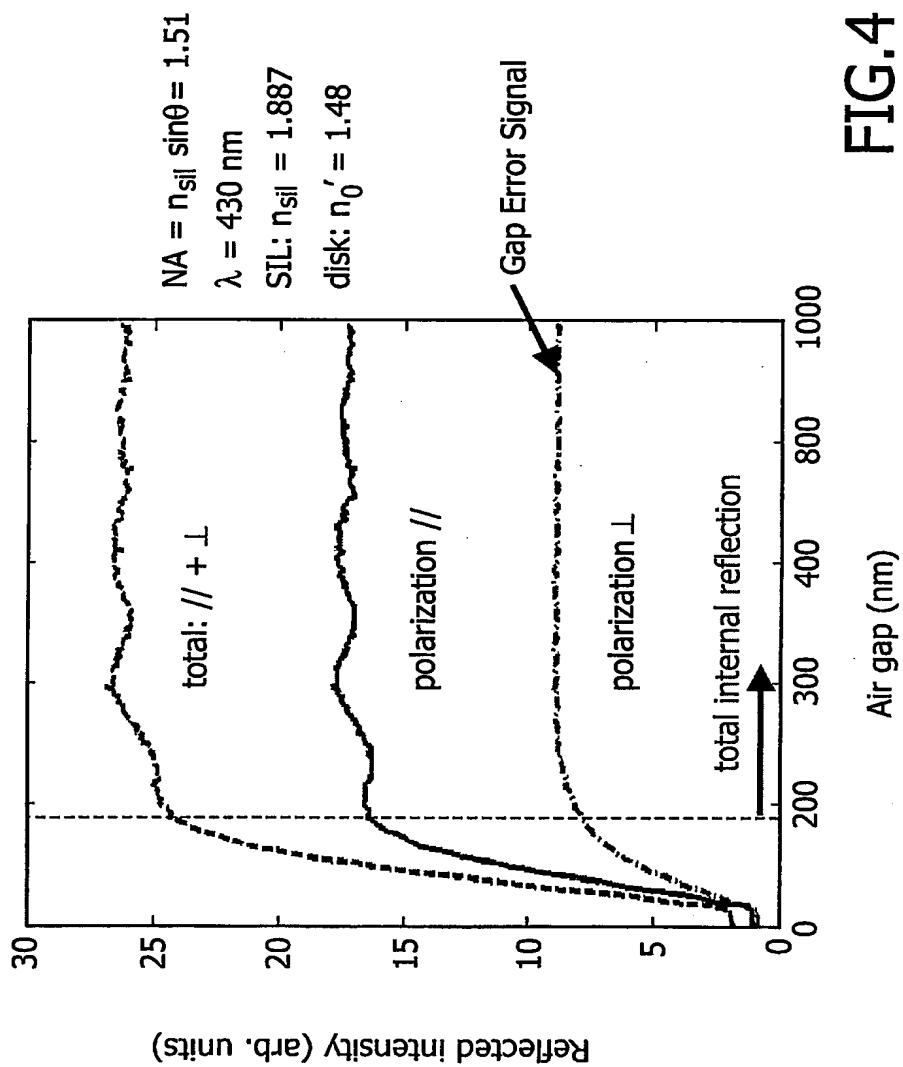


FIG.3B

FIG.3A

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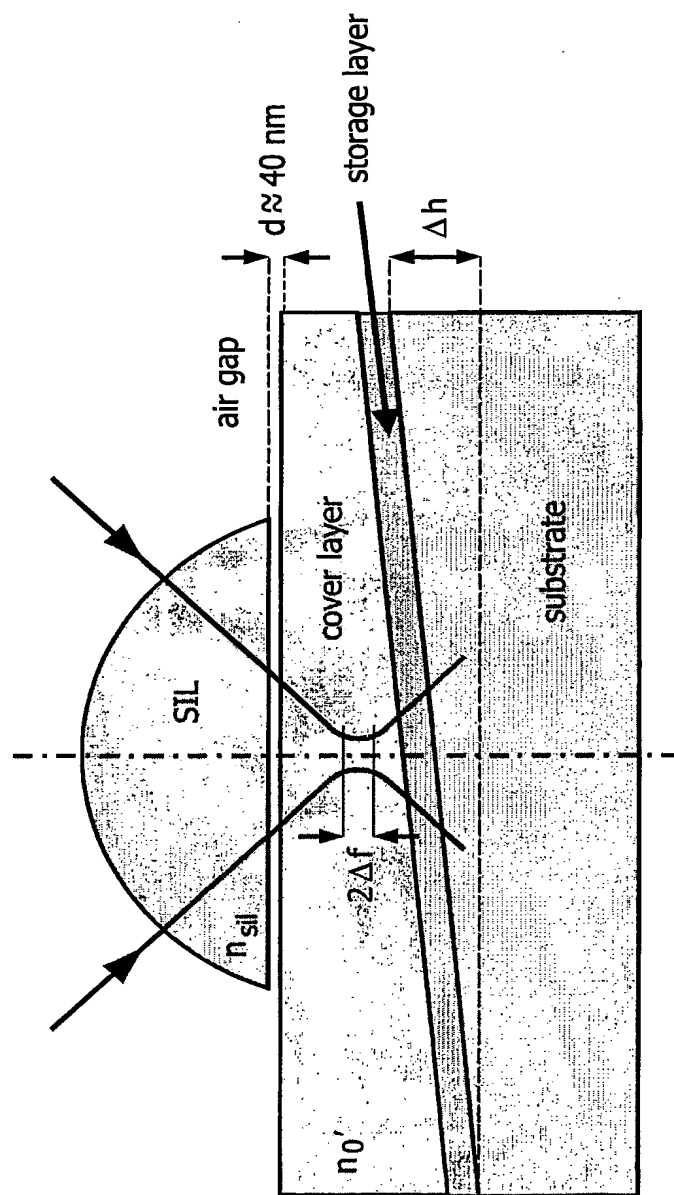


FIG.5

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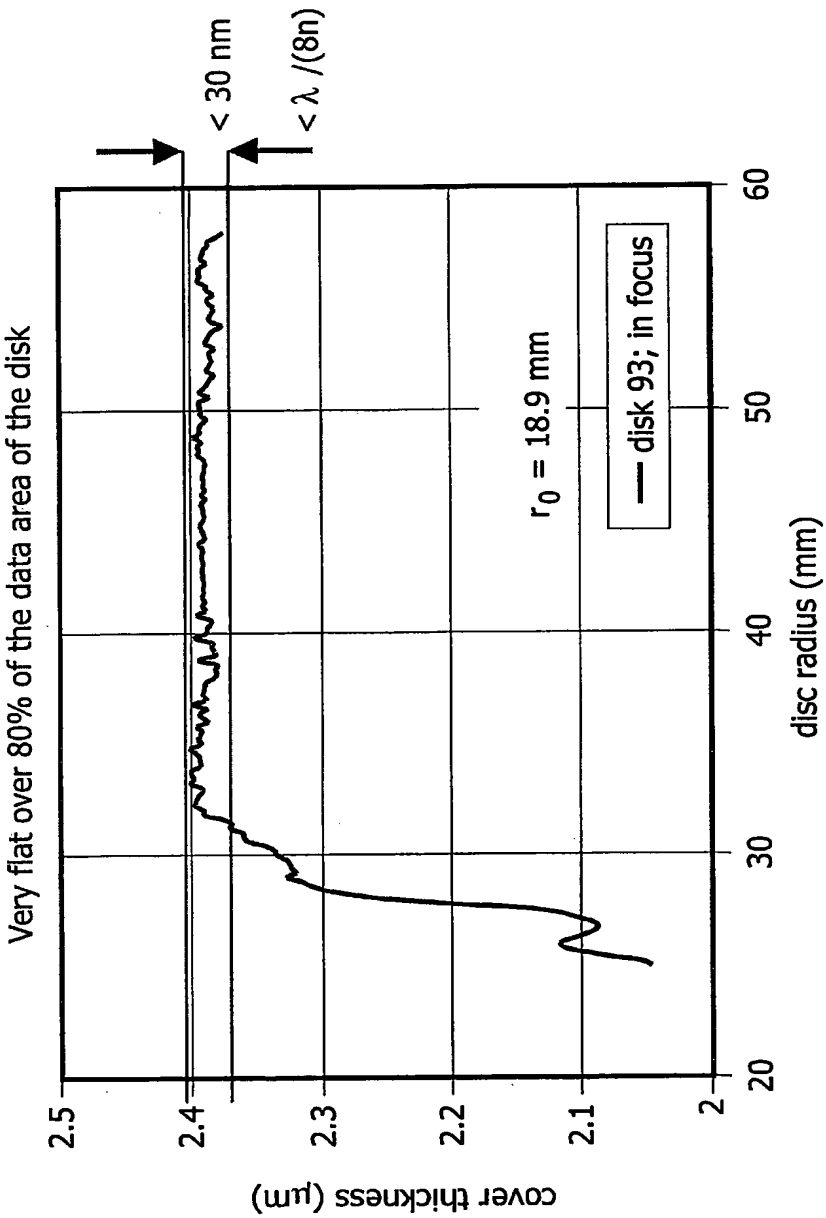


FIG.6

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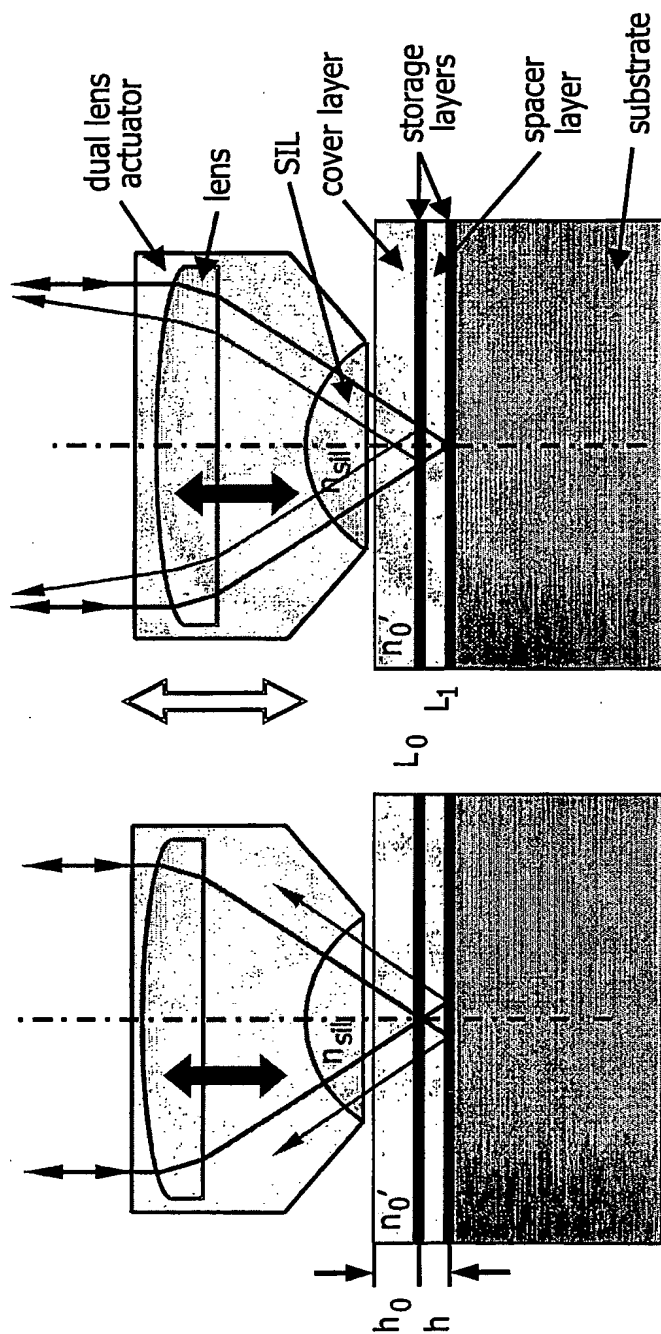


FIG.7B

FIG.7A

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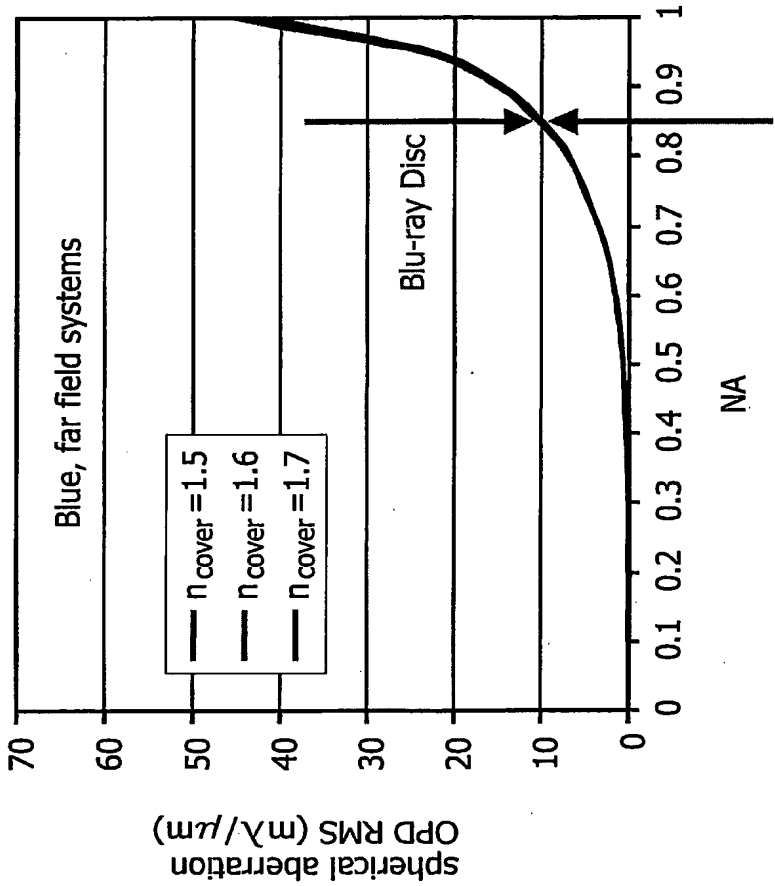


FIG.8

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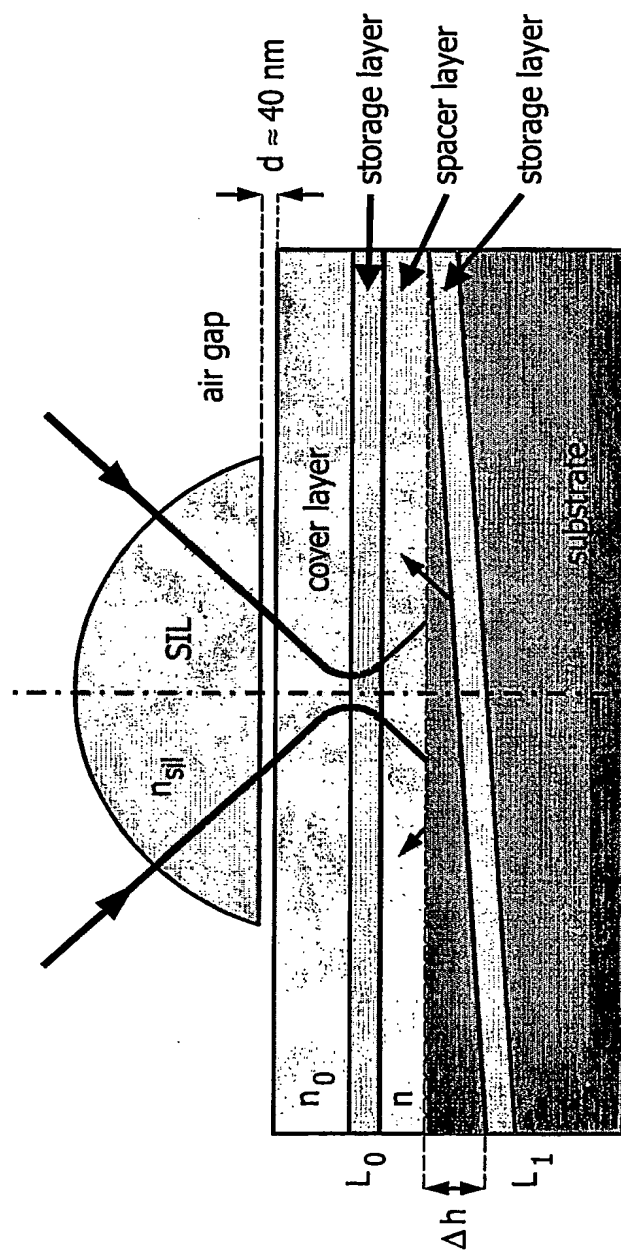


FIG.9

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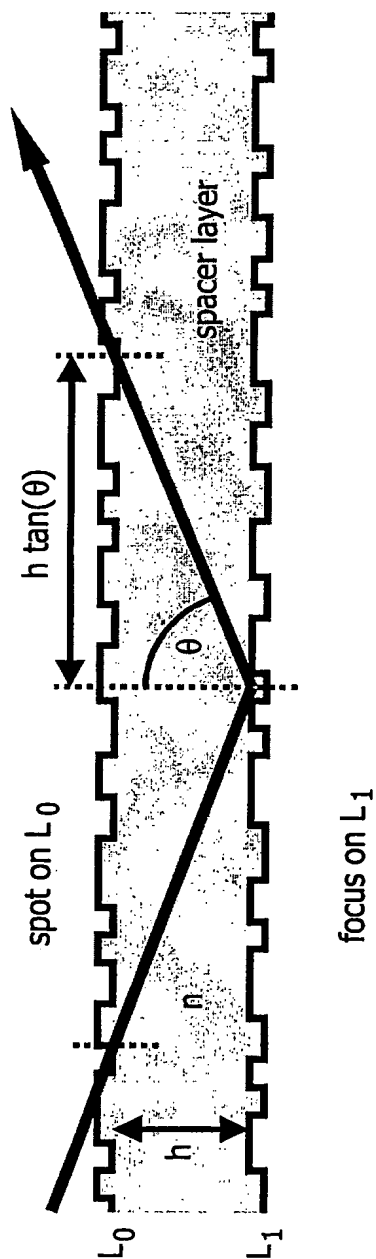


FIG.10

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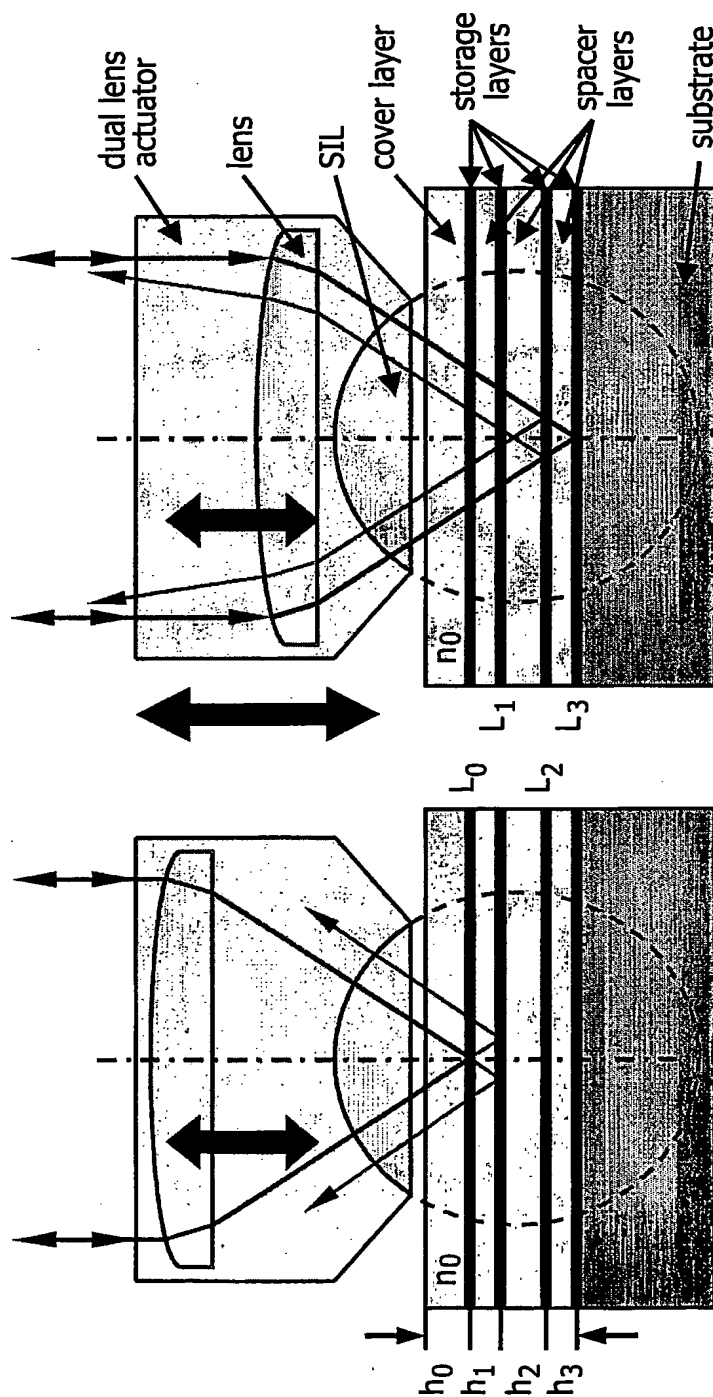


FIG.11B

FIG.11A

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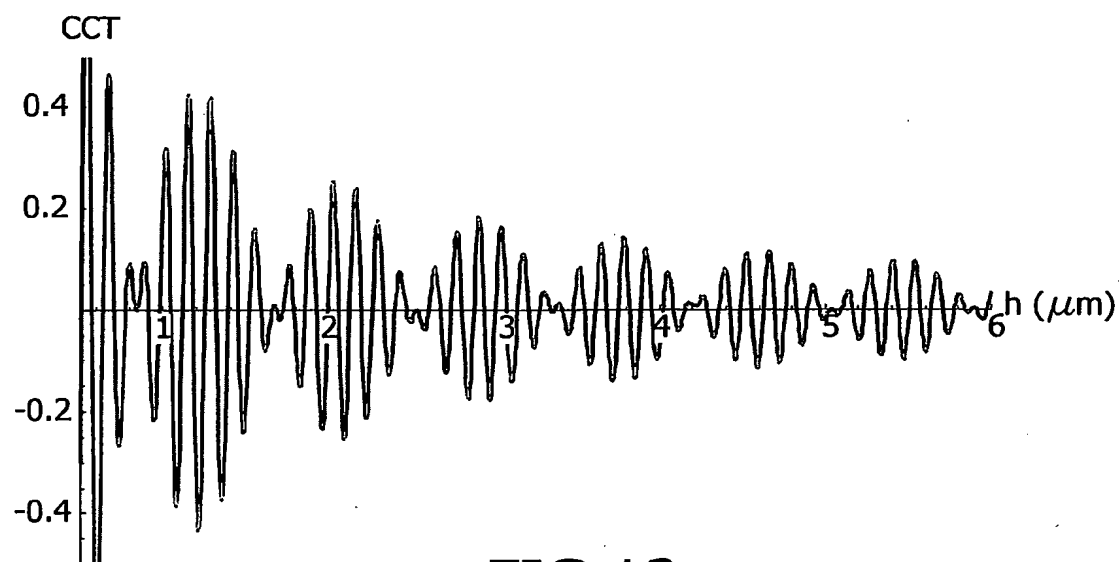


FIG.12

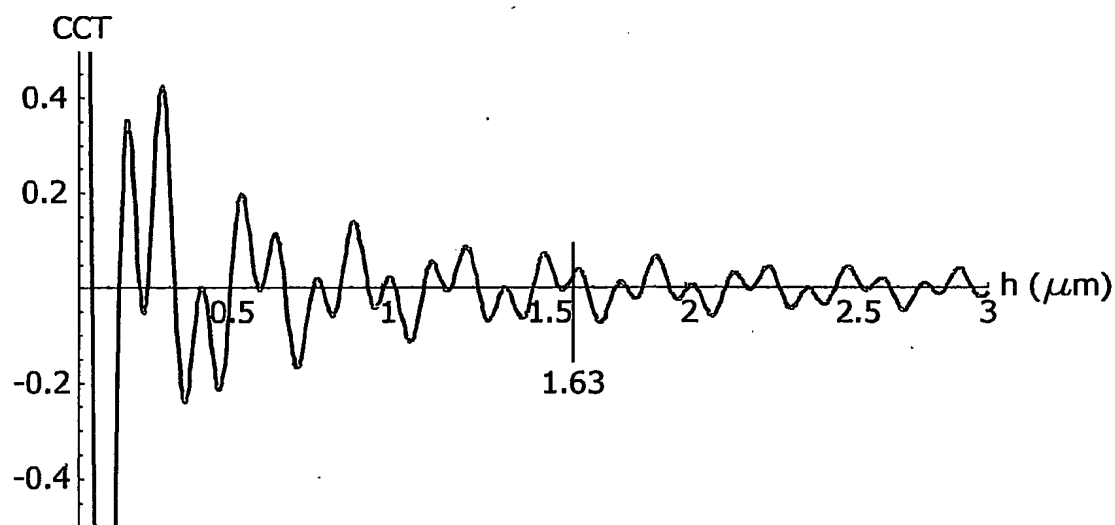
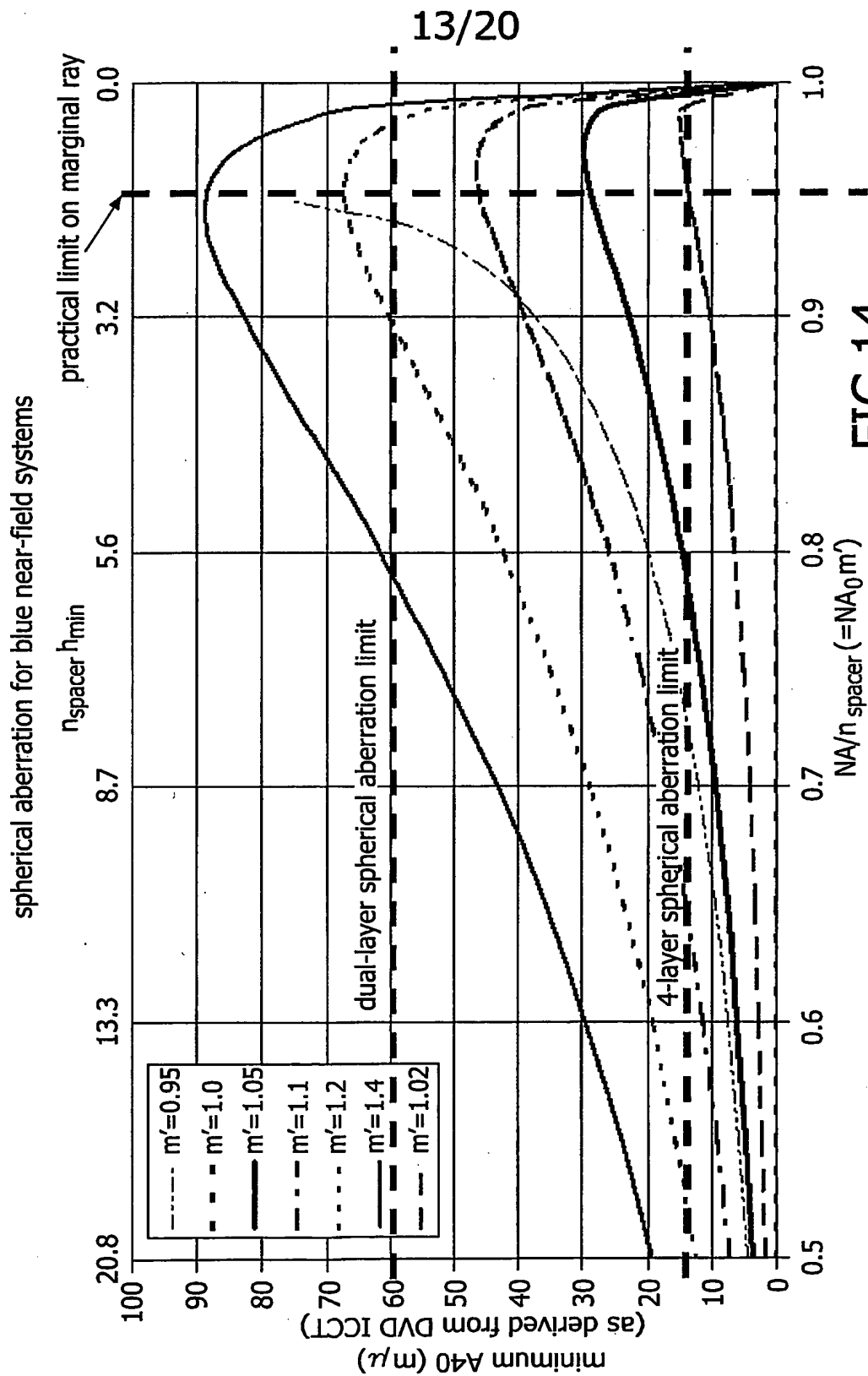


FIG.13



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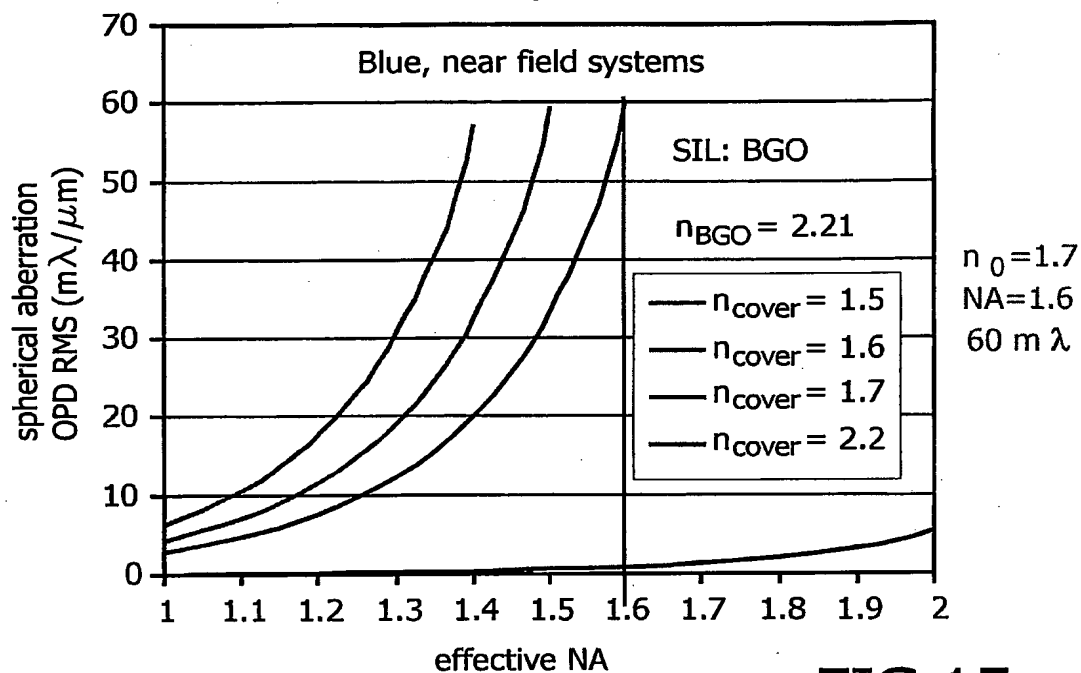


FIG.15

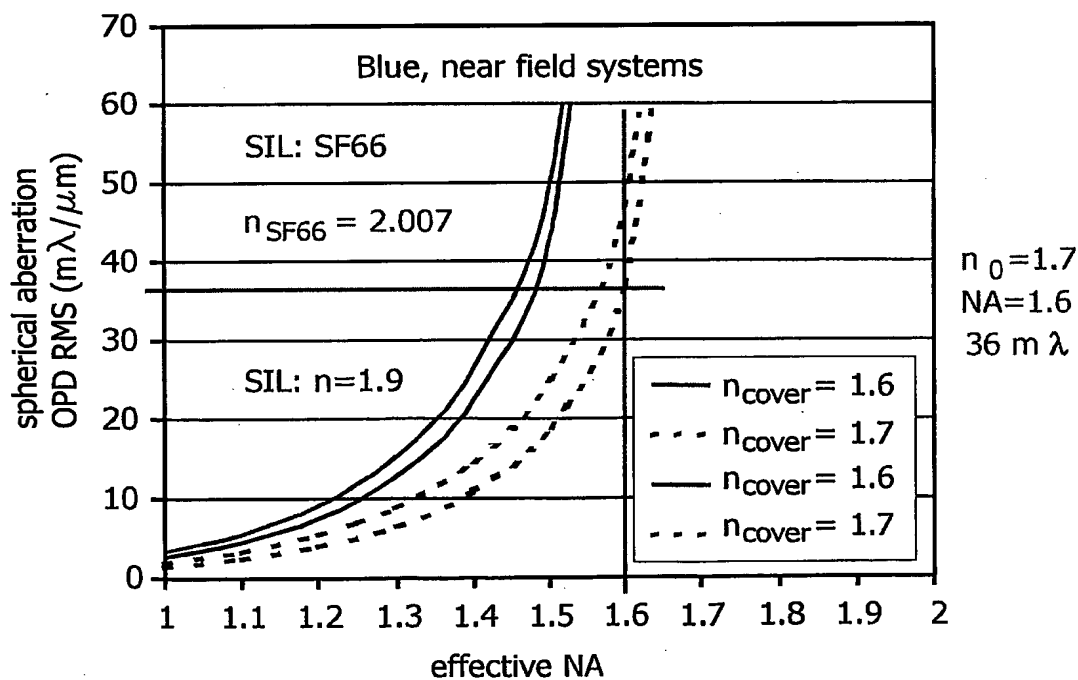


FIG.16

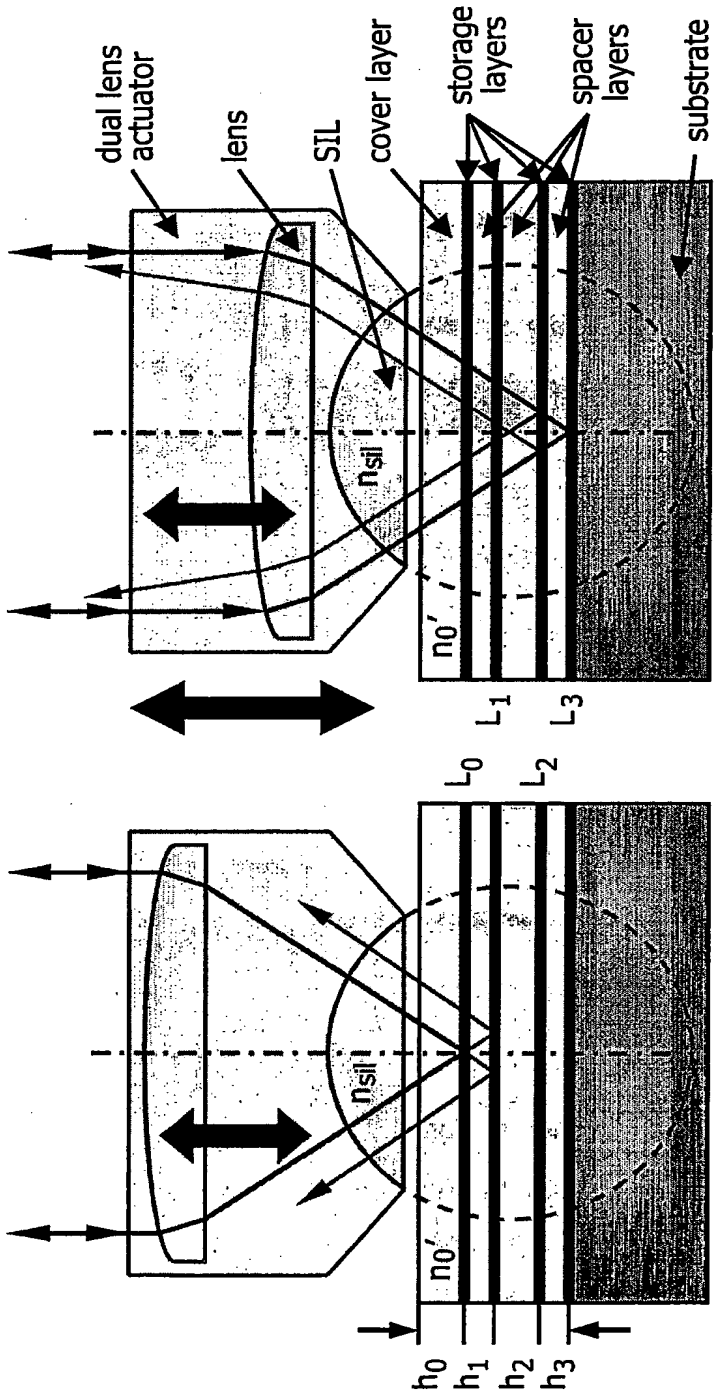


FIG.17B

FIG.17A

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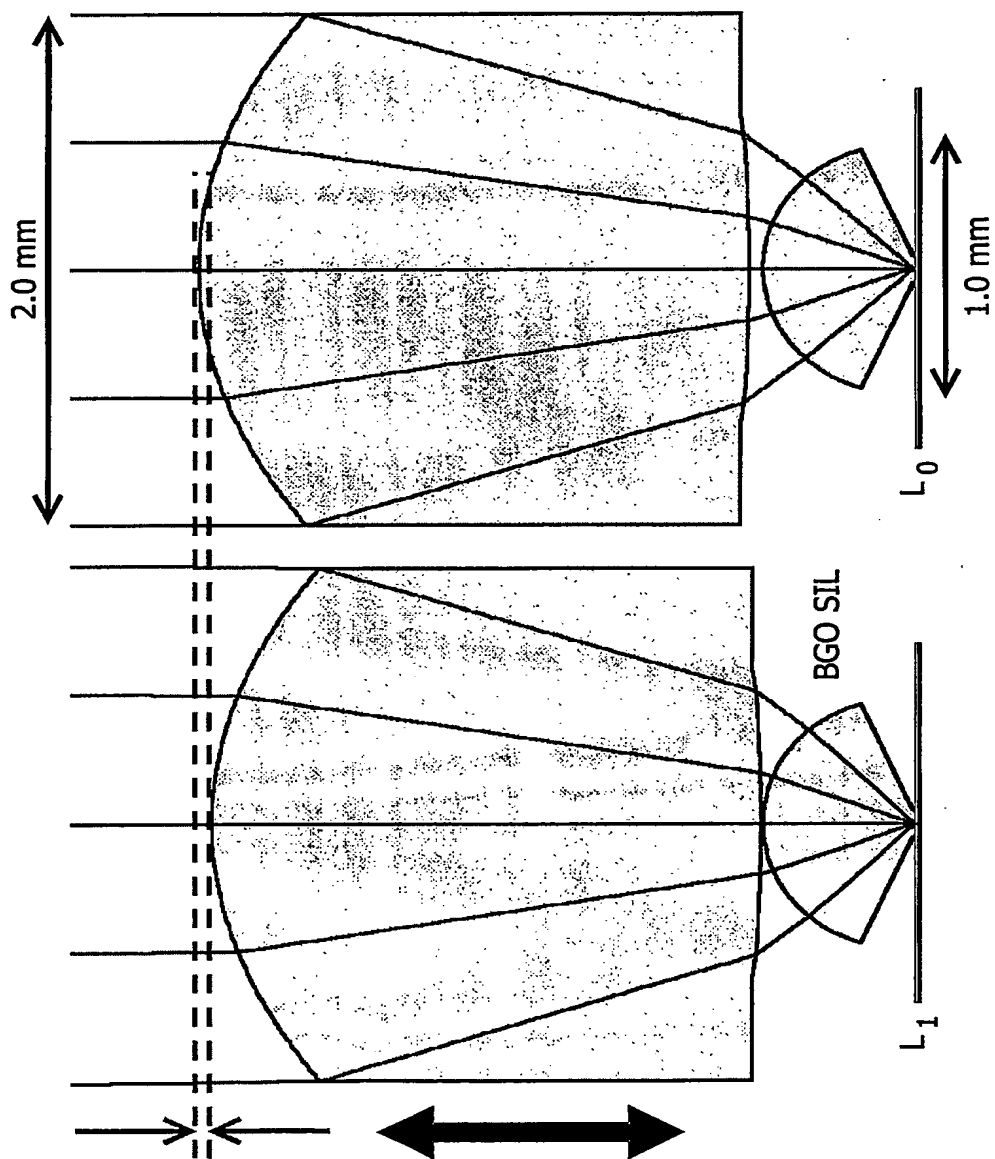


FIG.18

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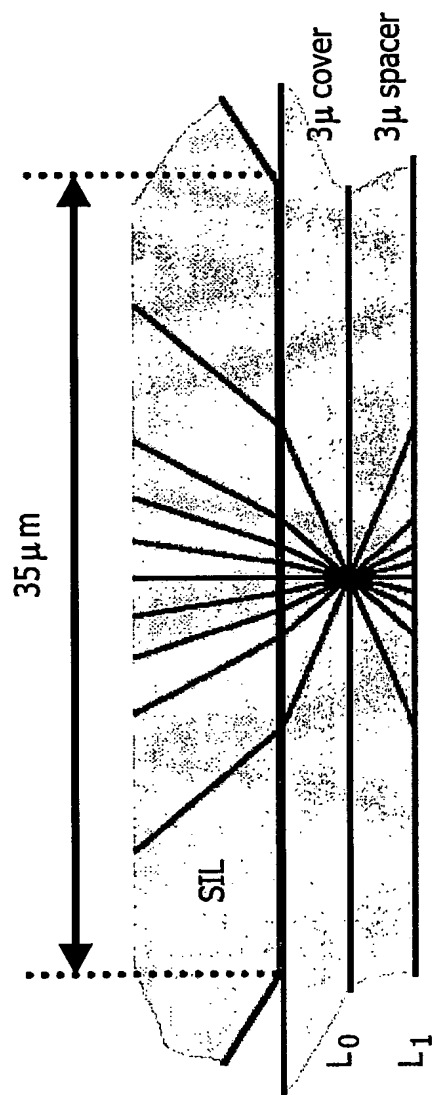


FIG.19

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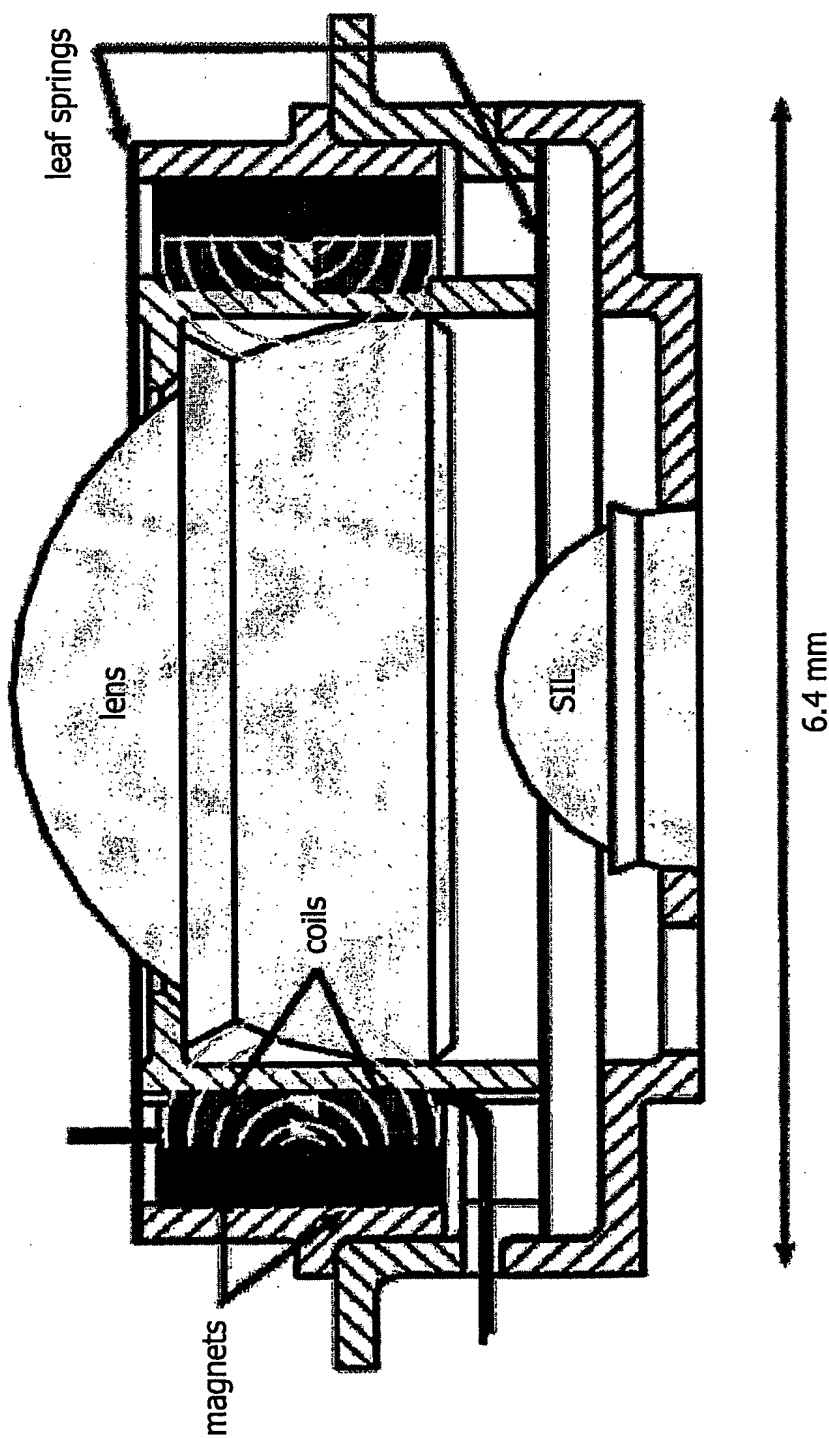


FIG.20

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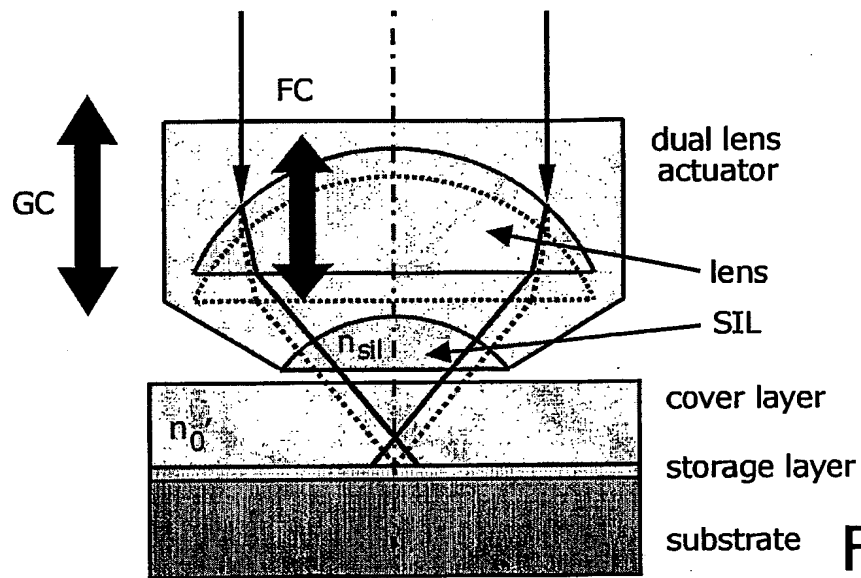


FIG. 21

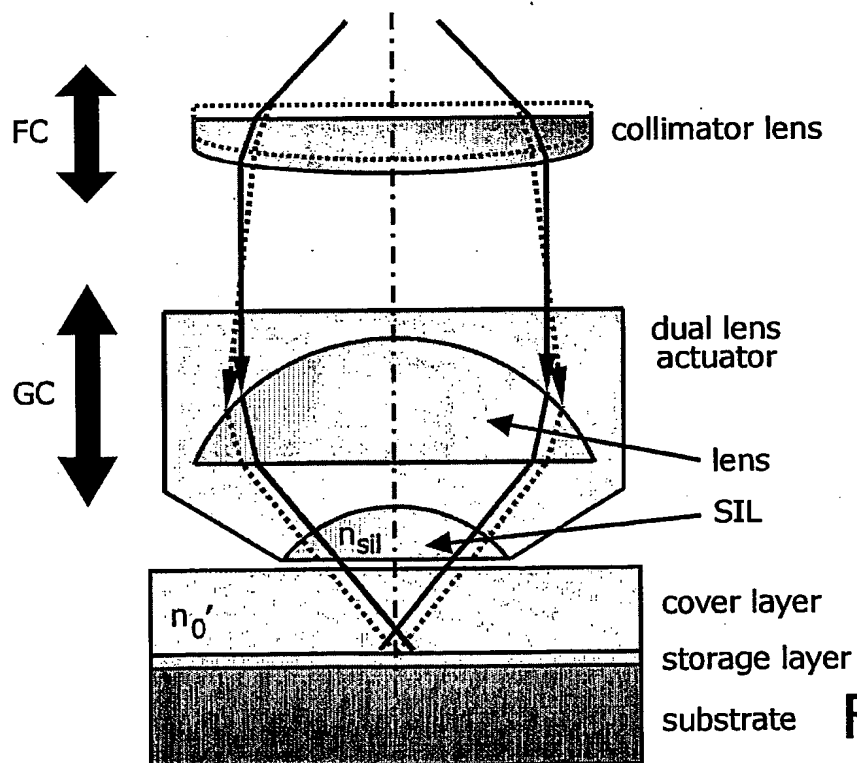


FIG. 22

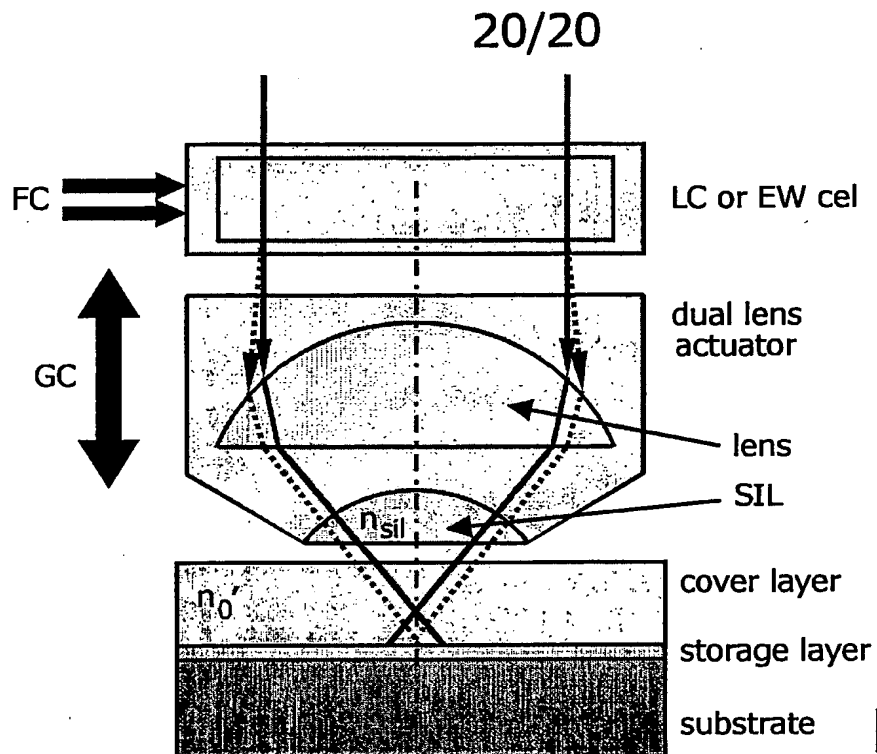


FIG.23

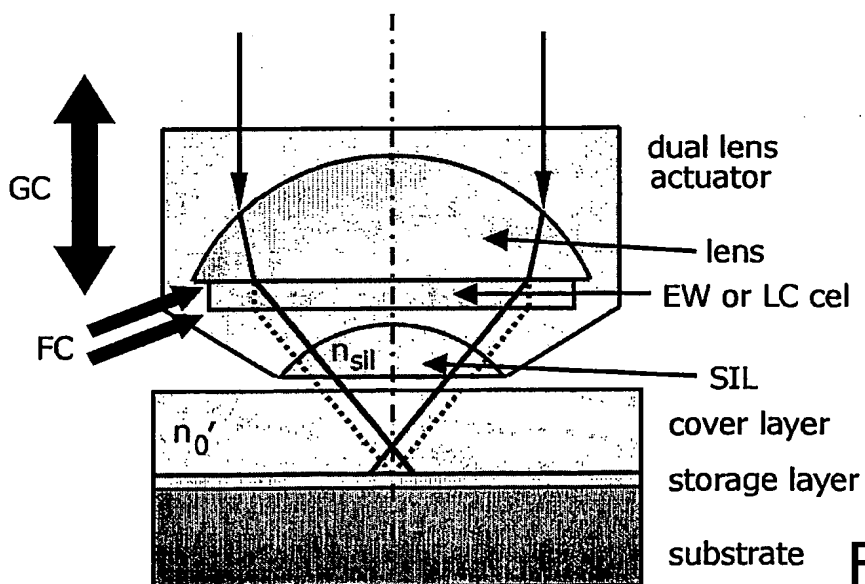


FIG.24